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FORM PTO-1449/A and B (modified PTO/SB/08)
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet 1 of 8

APPLICATION NO.:	10/622,076	ATTY. DOCKET NO.:	C0989.70054US00
FILING DATE:	July 17, 2003	CONFIRMATION NO.:	1842
APPLICANT:	Gilmanshin et al.		
GROUP ART UNIT:	1637	EXAMINER:	Angela Marie Bertagna

U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/AB/		4,297,337		Mansfield et al.	10-27-1981
		4,376,110		David et al.	03-08-1983
		4,556,643		Paau et al.	12-03-1985
		4,868,103		Stavrianopoulos et al.	09-19-1989
		5,004,809		Bobst et al.	04-02-1991
		5,200,313		Carrico et al.	04-06-1993
		5,567,627		Lehnen	10-22-1996
		5,591,578		Meade et al.	01-07-1997
		5,645,985		Froehler et al.	07-08-1997
		5,652,099		Conrad	07-29-1997
		5,670,316		Sena et al.	09-23-1997
		5,710,264		Urdea et al.	01-20-1998
		5,719,023		Zarling et al.	02-17-1998
		5,808,036		Kool	09-15-1998
		5,817,795		Gryaznov et al.	10-06-1998
		5,869,255		Mathies et al.	02-09-1999
		5,965,361		Kigawa et al.	10-12-1999
		6,054,327		Bensimon et al.	04-25-2000
		6,100,040		Ramberg et al.	08-08-2000
		6,004,750		Frank-Kamenetskii et al.	12-21-1999
		6,020,126		Carlson et al.	02-01-2000
		6,020,132		Ørum et al.	02-01-2000
		6,051,719		Benson et al.	04-18-2000
		6,083,689		Martinelli et al.	07-04-2000
		6,225,067	B1	Rogers	05-01-2001
		6,232,066	B1	Felder et al.	05-15-2001
		6,238,864	B1	Yan et al.	05-29-2001
		6,274,373	B1	Virtanen et al.	08-14-2001
		6,306,610	B1	Bawendi et al.	10-23-2001
↓		6,350,853	B1	Nielsen et al.	02-26-2002
		6,355,423	B1	Rothberg et al.	03-12-2002
/AB/		6,362,328		Fisher et al.	03-26-2002

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/AB/	6,908,769	B2	Belik et al.	06-21-2005
	2002-0001801	A1	Fan et al.	01-03-2002
	2002-0037506	A1	Lin et al.	03-28-2002
	2002-0039732	A1	Bruchez et al.	04-04-2002
	2002-0192687	A1	Mirkin et al.	12-19-2002
	2003-0008414	A1	Nie et al.	01-09-2003
	2003-0013091	A1	Dimitrov et al.	01-16-2003
	2004-0053399	A1	Gilmanshin	03-18-2004
	2006-0078915	A1	Fuchs et al.	04-13-2006
	2006-0134679	A1	Larson et al.	06-22-2006
	2006-0160231	A1	Nadel et al.	07-20-2006
	2006-0204978	A1	Nilsen et al.	09-14-2006
	2006-0228747	A1	Fuchs et al.	10-12-2006
	2006-0292616	A1	Neely et al.	12-28-2006
	2006-0292617	A1	Neely et al.	12-28-2006
	2007-0042406	A1	Yantz et al.	02-22-2007
	2007-0128083	A1	Yantz et al.	06-07-2007
/AB/	2007-0166743	A1	Gilmanshin	07-19-2007

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
/AB/		EP	0063879	A2	Yale University	11-03-1982	
		EP	0453301	A2	Syntex (U.S.A.) Inc.	10-23-1991	
		WO	93/22463	A2	IG Laboratories, Inc. (Abstract Only).	11-11-1993	
		WO	95/06877	A1	Syntex (U.S.A.), Inc. (Abstract Only).	03-09-1995	
		WO	96/06189	A1	Isis Pharmaceuticals, Inc. (Abstract Only).	02-29-1996	
		WO	96/31522	A1	Schwartz et al.	10-10-1996	
		WO	99/28500	A1	Lee et al.	06-10-1999	
		WO	99/55916	A1	Coull et al.	11-04-1999	
		WO	00/05408	A1	Drewe et al.	02-03-2000	
		WO	00/11221	A1	Bioventures, Inc.	03-02-2000	
		WO	01/90418	A1	The Regents of the University of	11-29-2001	
/AB/		WO	07/056250	A2	U.S. Genomics, Inc.	05-18-2007	

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OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/AB/		ARMITAGE et al., Peptide nucleic acid-anthraquinone conjugates: strand invasion and photoinduced cleavage of duplex DNA. Nucleic Acids Res. 1997 Nov 15;25(22):4674-8.	
		AURUP et al., Oligonucleotide duplexes containing 2'-amino-2'-deoxycytidines: thermal stability and chemical reactivity. Nucleic Acids Res. 1994 Jan 11;22(1):20-4. Erratum in: Nucleic Acids Res 1994 Feb 25;22(4):20-24.	
		BOCK et al., Photometric analysis of antifading reagents for immunofluorescence with laser and conventional illumination sources. J Histochem Cytochem. 1985 Jul;33(7):699-705.	
		BRUCHEZ et al. Semiconductor nanocrystals as fluorescent biological labels. Science. 1998 Sep 25;281(5385):2013-6. Abstract Only.	
		BURNS et al., An integrated nanoliter DNA analysis device. Science. 1998 Oct 16;282(5388):484-7. (Abstract Only).	
		CHAN et al., Quantum dot bioconjugates for ultrasensitive nonisotopic detection. Science. 1998 Sep 25;281(5385):2016-8. Abstract Only.	
		CHAN et al., DNA mapping using microfluidic stretching and single-molecule detection of fluorescent site-specific tags. Genome Res. 2004 Jun;14(6):1137-46.	
		CHEN et al., Single-Molecule Detection in Capillary Electrophoresis: Molecular Shot Noise as a Fundamental Limit to Chemical Analysis. Anal. Chem. 1996 Feb 15;68(4):690-6.	
		CHRISTENSEN et al., Stopped-flow kinetics of locked nucleic acid (LNA)-oligonucleotide duplex formation: studies of LNA-DNA and DNA-DNA interactions. Biochem J. 2001 Mar 15;354(Pt 3):481-4.	
		CHRISTENSEN et al., Incorporation of alpha- and beta-LNA (locked nucleic acid) monomers in oligodeoxynucleotides with polarity reversals. Bioorg Med Chem Lett. 2001 Jul 9;11(13):1765-8. Abstract Only.	
		CLARK et al., A study of sensitized lanthanide luminescence in an engineered calcium-binding protein. Anal Biochem. 1993 Apr;210(1):1-6.	
		D'ANTONI et al. ORC Poster. April 2006.	
		DEMIDOV et al., Peptide nucleic acid-assisted topological labeling of duplex DNA. Methods. 2001 Feb;23(2):123-31.	
		DEMIDOV et al., Kinetic analysis of specificity of duplex DNA targeting by homopyrimidine peptide nucleic acids. Biophys J. 1997 Jun;72(6):2763-9.	
		DIDENKO et al., DNA probes using fluorescence resonance energy transfer (FRET): designs and applications. Biotechniques. 2001 Nov;31(5):1106-16, 1118, 1120-1. Abstract Only.	
		DUBEY et al., Sequence-specific DNA binding by the <i>Msp</i> I DNA Methyltransferase. Nucleic Acids Res. 1992;20:3167-3173.	
▼		EGHOLM et al., PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogen-bonding rules. Nature. 1993 Oct 7;365(6446):566-8. Abstract Only.	
/AB/		EGHOLM et al., Efficient pH-independent sequence-specific DNA binding by pseudoisocytosine-	

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/Angela Bertagna/

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	containing bis-PNA. Nucleic Acids Res. 1995 Jan 25;23(2):217-22.	
/AB/	FEINBERG et al., A technique for radiolabeling DNA restriction endonuclease fragments to high specific activity. Anal Biochem. 1983 Jul 1;132(1):6-13.	
	FEINBERG et al., A technique for radiolabeling DNA restriction endonuclease fragments to high specific activity. Addendum. Anal Biochem. 1984 Feb;137(1):266-7.	
	FOLSOM et al. Detection of DNA targets with biotinylated and fluoresceinated RNA probes. Effects of the extent of derivitization on detection sensitivity. Anal Biochem. 1989;182(2):309-314. Abstract Only.	
	FREY et al., The Nucleotide Analog 2-aminopurine as a Spectroscopic Probe of Nucleotide Incorporation by the Klenow Fragment of Escherichia coli Polymerase I and Bacteriophage T4 DNA Polymerase. Biochemistry. 1995; 34(28):9185-9192. Abstract Only.	
	GEBEYEHU et al., Novel biotinylated nucleotide-analogs for labeling and colorimetric detection of DNA. Nucleic Acids Res. 1987 Jun 11;15(11):4513-34. Abstract Only.	
	GILDEA et al. PNA solubility enhancers. Tetrahedron Letts. 1998;39:7255-7258.	
	GILLAM et al., N4-(6-aminohexyl)cytidine and -deoxycytidine nucleotides can be used to label DNA. Anal Biochem. 1986 Sep;157(2):199-207. Abstract Only.	
	GLICKMAN et al., 2-Aminopurine mutagenesis in Escherichia coli. Basic Life Sci. 1985;31:353-79.	
	GRIEP et al., The dimer of the beta subunit of Escherichia coli DNA polymerase III holoenzyme is dissociated into monomers upon binding magnesium(II). Biochemistry. 1988 Jul 12;27(14):5210-5. Abstract Only.	
	GRIMM et al., Mapping of microsatellite markers developed from a flow-sorted swine chromosome 6 library. Mamm Genome. 1997 Mar;8(3):193-9. Abstract Only.	
	HAKANSSON et al., The adenine derivative of alpha-L-LNA (alpha-L-ribo configured locked nucleic acid): synthesis and high-affinity hybridization towards DNA, RNA, LNA and alpha-L-LNA complementary sequences. Bioorg Med Chem Lett. 2001 Apr 9;11(7):935-8. Abstract Only.	
	HARMA et al., Europium nanoparticles and time-resolved fluorescence for ultrasensitive detection of prostate-specific antigen. Clin Chem. 2001;47(7):561-568.	
	HAUGLAND, Handbook of Fluorescent Probes and Research Chemicals – Sixth Edition. Molecular Probes. 1996; 143-200.	
	HERENDEEN et al., DNA polymerase III: running rings around the fork. Cell. 1996 Jan 12;84(1):5-8.	
	HERMANSON et al., Bioconjugate Techniques. Academic Press. 1996; 785 pages. Abstract Only.	
	HOLTKE et al., Non-radioactive labeling and detection of nucleic acids. II. Optimization of the digoxigenin system. Biol Chem Hoppe Seyler. 1990 Oct;371(10):929-38. Abstract Only.	
	HUNG et al., Cyanine dyes with high absorption cross section as donor chromophores in energy transfer primers. Anal Biochem. 1996 Dec 1;243(1):15-27.	
▼	IANNONE et al., Multiplexed single nucleotide polymorphism genotyping by oligonucleotide ligation and flow cytometry. Cytometry. 2000 Feb 1;39(2):131-40. Abstract Only.	
/AB/	IZVOLSKY et al., Sequence-specific protection of duplex DNA against restriction and methylation enzymes by pseudocomplementary PNAs. Biochemistry. 2000 Sep 5;39(35):10908-13. Abstract Only.	

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DATE CONSIDERED: 11/16/2007

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/AB/	JOVIN, Quantum dots finally come of age. Nat Biotechnol. 2003 Jan;21(1):32-3.	
	KITTLER et al., Sequence specific modulation of DNA restriction enzyme cleavage by minor groove binders. Biol Chem. 1998 Apr-May;379(4-5):519-25. Abstract Only.	
	KNEMEYER et al., Probes for detection of specific DNA sequences at the single-molecule level. Anal Chem. 2000;72(16):3717-3724. Abstract Only.	
	KOSAGANOV et al., Effect of temperature and ionic strength on the dissociation kinetics and lifetime of PNA-DNA triplexes. Biochemistry. 2000 Sep 26;39(38):11742-7. Abstract Only.	
	KOSTRIKIS et al., Spectral genotyping of human alleles. Science. 1998 Feb 20;279(5354):1228-9.	
	KRICKA, Stains, labels and detection strategies for nucleic acids assays. Ann Clin Biochem. 2002 Mar;39(Pt 2):114-29.	
	KUHN et al., Kinetic sequence discrimination of cationic bis-PNAs upon targeting of double-stranded DNA. Nucleic Acids Res. 1998 Jan 15;26(2):582-7.	
	KUHN et al., An experimental study of mechanism and specificity of peptide nucleic acid (PNA) binding to duplex DNA. J Mol Biol. 1999 Mar 12;286(5):1337-45. Abstract Only.	
	KWIATKOWSKI et al., Solid-Phase Synthesis of Chelate-Labeled Oligonucleotides: Application in Triple-Color Ligase-Mediated Gene Analysis, Nucl Acids Res. 1994; 22:2604.	
	LANGER et al. (1981), Enzymatic Synthesis of Biotin-Labeled Polynucleotides: Novel Nucleic Acid Affinity Probes, PROC. NATL. ACAD. SCI. USA 78:6633.	
	LARSON et al., Single DNA molecule stretching in sudden mixed shear and elongational microflows. Lab Chip. 2006;6(9):1187-1199. Abstract Only.	
	LEE et al., A fluorometric assay for DNA cleavage reactions characterized with BamHI restriction endonuclease. Anal Biochem. 1994 Aug 1;220(2):377-83.	
	LEE et al., Characterization of endonucleolytic activity of HIV-1 integrase using a fluorogenic substrate. Anal Biochem. 1995 May 20;227(2):295-301.	
	LI et al., Fluorescence studies of single biomolecules. Biochem Soc Trans. 2004 Nov;32(Pt 5):753-6. Abstract Only.	
	LINDSTEDT M. et al., An EcoRI polymorphism of the human von Willebrand factor cDNA (VWF). Nucleic Acids Res. 1989;17:2882.	
	MAGDE et al. (1974), Fluorescence Correlation Spectroscopy II An Experimental Realization, BIOPOLYMERS 13:29. (Abstract Only).	
	MARRAS et al., Multiplex detection of single-nucleotide variations using molecular beacons. Genet Anal. 1999 Feb;14(5-6):151-6.	
	MASUKO et al., Optimization of excimer-forming two-probe nucleic acid hybridization method with pyrene as a fluororrobe. Nucl Acids Res. 1998;26(23):5409-5416.	
	MATTHEWS et al., Analytical strategies for the use of DNA probes. Anal Biochem. 1988 Feb 15;169(1):1-25.	
	MCBRIDE et al., Multiplexed liquid arrays for simultaneous detection of simulants of biological warfare agents. Anal Chem. 2003 Apr 15;75(8):1924-30. (Abstract Only).	
↓	MENG et al., Inhibition of restriction endonuclease activity by DNA binding fluorochromes. J Biomol Struct Dyn. 1996 Jun;13(6):945-51.	
/AB/	NIELSEN CB, SK Singh, J Wengel and JP Jacobsen. 1999. The solution structure of a locked nucleic acid (LNA) hybridized to DNA. J Biomol. Struct. Dyn. 17(2): 175-191. Abstract Only.	

EXAMINER:

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/AB/	OANA et al., Visualization of a specific sequence on a single large DNA molecule using fluorescence microscopy based on a new DNA-stretching method. Biochem Biophys Res Commun. 1999 Nov;265(1):140-3.	
	ORTIZ E, G Estrada and PM Lizardi. 1998. PNA molecular beacons for rapid detection of PCR amplicons. Molecular and Cellular Probes 12: 219-226. Abstract Only.	
	ORUM et al., Sequence-specific purification of nucleic acids by PNA-controlled hybrid selection. Biotechniques. 1995 Sep;19(3):472-80. Abstract Only.	
	OSTERLUND et al., Ethidium-bromide-inhibited restriction endonucleases cleave one strand of circular DNA. Gene. 1982 Nov;20(1):121-5. Abstract Only.	
	PAZ-ELIZUR et al., β^* , a UV-inducible smaller form of the β subunit sliding clamp of DNA polymerase III of Escherichia coli. I. Gene expression and regulation. J Biol Chem. 1996 Feb 2;271(5):2482-90.	
	PEFFER NJ, JC Hanvey, JE Bisi, SA Thomson, CF Hassman, SA Noble and LE Babiss. 1993. Strand-invasion of duplex DNA by peptide nucleic acid oligomers. Proc. Natl. Acad. Sci. U. S. A. 90: 10648-10652.	
	PETERSEN et al., alpha-L-LNA (alpha-L-ribo configured locked nucleic acid) recognition of RNA. A study by NMR spectroscopy and molecular dynamics simulations. J Am Chem Soc. 2001 Aug 1;123(30):7431-2.	
	PHILLIPS et al., Application of single molecule technology to rapidly map long DNA and study the confirmation of stretched DNA. Nuc Acids Res. 2005;33(18):5829-5837.	
	PINGOUD et al., Recognition and cleavage of DNA by type-II restriction endonucleases. Eur J Biochem. 1997 May 15;246(1):1-22.	
	PURMAL, A.A. et al., "5-Hydroxypyrimidine deoxynucleoside triphosphates are more efficiently incorporated into DNA by exonuclease-free Klenow fragment than 8-oxopurine deoxynucleoside triphosphates", Nucleic Acids Research, 1994, Pages 3930-3935, Vol. 22, No. 19, Oxford University Press.	
	RATILAINEN et al., Hybridization of peptide nucleic acid. Biochemistry. 1998 Sep 1;37(35):12331-42. Abstract Only.	
	ROBERTS et al., Chapter 2: Type II Restriction Edonucleases. in Nucleases, 2nd edition. 1993: Cold Spring Harbor Press, ISSN: 0-87969-426-2. p35-88.	
	ROWE-TAITT et al., Array biosensor for detection of biohazards. Biosens Bioelectron. 2000 Jan;14(10-11):785-94. Abstract Only.	
	ROWE-TAITT et al., Simultaneous detection of six biohazardous agents using a planar waveguide array biosensor. Biosens Bioelectron. 2000;15(11-12):579-89. Abstract Only.	
	SAHA et al., 1993. "Time-resolved fluorescence of a new europium chelate complex: demonstration of highly sensitive detection of protein and DNA samples," J. Am. Chem. Soc. 115:11032-33.	
	SHI et al., Antisense imaging of gene expression in the brain in vivo. Proc Natl Acad Sci U S A. 2000 Dec 19;97(26):14709-14.	
▼	SHIMKUS, M.L. et al., "Synthesis and Characterization of Biotin-Labeled Nucleotide Analogs", DNA, 1986, Pages 247-255, Vol. 5, No. 3, Mary Ann Liebert, Inc. Publishers. Abstract Only.	
/AB/	SOKOL et al., Real time detection of DNA.RNA hybridization in living cells. Proc Natl Acad Sci U S A. 1998 Sep 29;95(20):11538-43.	

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/Angela Bertagna/

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/AB/	SORENSEN MD. M Meldgaard, VK Rajwanshi and J Wengel. 2000. Branched oligonucleotides containing bicyclic nucleotides as branching points and DNA or LNA as triplex forming branch. Bioorganic & Medical Chemistry Query 10: 1853-1856. Abstract Only.	
	SOSLAU et al., Selective inhibition of restriction endonuclease cleavage by DNA intercalators. Biochem Biophys Res Commun. 1983 Sep 15;115(2):484-91. Abstract Only.	
	SOUKKA et al., Supersensitive time-resolved immunofluorometric assay of free prostate-specific antigen with nanoparticle label technology. Clin Chem. 2001;47(7):1269-1278.	
	STAHL et al., Introduction of asymmetry in the naturally symmetric restriction endonuclease EcoRV to investigate intersubunit communication in the homodimeric protein. Proc Natl Acad Sci U S A. 1996 Jun 11;93(12):6175-80.	
	STEINBERG, Long-range nonradiative transfer of electronic excitation energy in proteins and polypeptides. Ann Rev Biochem. 1971; 40:83-114.	
	STÖRL et al., Nucleic Acids Res. 1978;5(12):4919-4931.	
	UCHIYAMA et al., Detection of undegraded oligonucleotides in vivo by fluorescence resonance energy transfer. Nuclease activities in living sea urchin eggs. J Biol Chem. 1996 Jan 5;271(1):380-4.	
	VALOCZI et al., Sensitive and specific detection of micro RNAs by northern blot analysis using LNA-modified oligonucleotide probes. Nucleic Acids Research. 2004; 32: e175.	
	VIADIU et al., The role of metals in catalysis by the restriction endonuclease BamHI. Nat Struct Biol. 1998 Oct;5(10):910-6.	
	VIPOND et al., Divalent metal ions at the active sites of the EcoRV and EcoRI restriction endonucleases. Biochemistry. 1995 Jan;34(2):697-704.	
	VIPOND et al., Specific DNA recognition by EcoRV restriction endonuclease induced by calcium ions. Biochemistry. 1995 Jan 31;34(4):1113-9.	
	WAGGONER et al. (1995), Covalent Labeling of Proteins and Nucleic Acids with Fluorophores, METH. ENZYML. 246:362-373.	
	WINKLER et al., Confocal fluorescence coincidence analysis: an approach to ultra high-throughput screening. Proc Natl Acad Sci U S A. 1999 Feb 16;96(4):1375-8.	
	WITTUNG et al., Extended DNA-recognition repertoire of peptide nucleic acid (PNA): PNA-dsDNA triplex formed with cytosine-rich homopyrimidine PNA. Biochemistry. 1997 Jul 1;36(26):7973-9. Abstract Only.	
	WOODHEAD J.L. et al., Cation Dependence of Restriction Endonuclease EcoRI Activity. Eur J Biochem. 1981;115:293-296.	
↓	XU et al., Multiplexed SNP genotyping using the Qbead system: A quantum dot-encoded microsphere-based assay. Nucleic Acids Res. 2003 Apr 15;31(8):E43-1-E43-10.	
/AB/	ZWEIG, A., "Photochemical Generation of Stable Fluorescent Compounds (Photofluorescence)", Pure and Applied Chemistry, 1973;33:389-410.	

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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